

Question Mark



SUPPLEMENT FEB. 1946

A large, stylized spotlight beam originates from the top left, shining down towards the center. The word "Spotlight" is written in a large, elegant script font, with the "S" being particularly large and stylized. The beam itself is a wide, tapered cone of light, with a darker, circular area at its base where a business card is placed.

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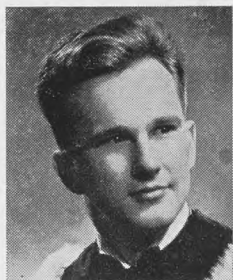
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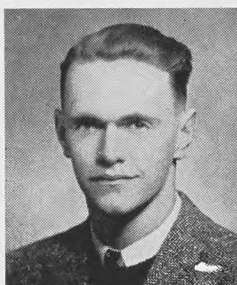
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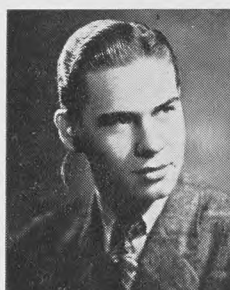
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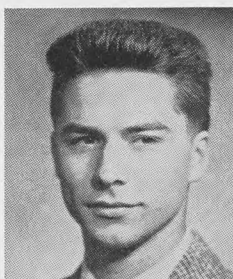
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SENIOR STICK'S MESSAGE



LYNN A. K. WATT
Senior Stick

As I write this message another University year is rapidly drawing to a close. From the students' point of view it has been an important year. For science it has been a successful one.

The Council this year, has been faced with a problem of reconversion from war-time University life to peace-time activity. In order to make that change as smooth as possible, we have endeavored to lay a great deal of the ground work, upon which an expanded extra curricular program might be carried out, and at the same time, to present as broad a field of activity as possible for this year's class.

The first step in this program was the redrafting of the constitution. We now have a workable and up-to-date constitution to go on; a constitution which allows for a more flexible organization, and a greater opportunity for expansion. The second step was to reorganize those departments in need of change. The Scientific Society and Men's Athletics have received the greatest attention in this line.

All this reorganization has been done with an eye to the future. We did not expect to reach perfection all at once; but, we have at least started the ball rolling for the future. The Science Students of this year may

proudly say that they have had a hand in shaping the state of things to come.

A second aspect of Science activity has been emphasized this year—increased co-operation with the U.M.S.U. We must realize now that the duties of the U.M.S.U. have increased greatly with the end of the war. The parent body has begun to expand its activities, and must venture along new and unexplored paths. It must take the position of a confident leader, as well as a wise administrator. In order to do this, it must have the full and unwavering support of every faculty. Realizing this, and realizing too, that only through a cooperative effort on the part of every faculty with the U.M.S.U., could the students be given full value for their fees, the Science Council has followed such a policy.

On many occasions, Science has even taken the lead in promoting Varsity spirit. Sometimes, we have had to act rather strongly in order to force the parent organization to realize its full responsibility. Anything that we have done, however, has been with the firm belief that it was in the best interests of the University as a whole, and of the Science faculty as a part.

However, let us never lose our faculty spirit. A powerful University spirit will develop only from a strong faculty spirit. Loyalty to one's faculty will breed loyalty to one's University. Spirit and rivalry in inter-faculty affairs will lead to the same spirit and rivalry on the larger intervarsity scale. Manitoba is starting to participate in a large scale inter-university program. The old fire and enthusiasm of the Science Faculty is right behind it.

Now, the task is yours. Take this fire and kindle it into a flame of pride for your faculty and for your University. Science is a mighty faculty; Manitoba is a great University. Let us realize this, and be prepared to lay aside petty grievances for the betterment of a wider cause. Your responsibility as students is a heavy one; for only if you get behind your organizations and work for them, and with them, can they hope to attain success. Their success will be the measure of your cooperation.

This is my message to you, Science students. Accept it in the spirit in which it is written.

I should like to take this opportunity to mention the work of the Science Councils
(Continued on Next Page)

LADY STICK'S MESSAGE

TO THE SCIENCE GIRLS

Dear Fellow Grads:

We are setting forth into a world stirring with the pulse of peace. The scientific mind is no longer concerned with weapons of destruction. The great immediate task is one of mercy and resurrection. For the past six years, the exacting demands of war have curtailed the number of graduating students. The world now turns expectantly and hopefully to each one of us, equipped with the power of education to lead the way into a new era. We must fulfil our responsibilities to mankind.

Even the most prejudiced will admit that woman's ability in the scientific field has been proven conclusively during the war years. But never was the trained and comprehensive feminine brain needed more than now. The assignment of erecting a mentally and physically healthy universe out of the chaos wrought by a world war, is an overwhelming task. We women graduates in Science must bear an equal share of the burden. Our position is truly one of great importance. May each and everyone of us go out into the world, determined to stand firmly beside the men, in building the concrete foundations of lasting peace.

Dear Undergrads:

How fortunate you are! You will live in a University that we graduates could only dream about. The University of Manitoba is coming into its own with a bang. Spirit is bubbling (along with H₂S) throughout the halls of Junior Division. This spirit is prevalent not only in the buildings alone, but also throughout the province as a whole; for Manitoba is rapidly becoming University-minded. The influx of so many returned men to Varsity has added an air of seriousness and maturity, which is slowly convincing the public that acquiring an education takes hard work along with hard play.

The need for proper accommodations and adequate teaching facilities has become ap-



JACQUI CLARK
Lady Stick

parent, and steps are being taken to provide these. The necessity for unification of Junior and Senior Divisions on the one site has finally been realized, and will result in definite action in the near future. The University of Manitoba will attain a place of honour and prestige in our country, as befits an institution of higher learning. It is the duty of you, the undergraduate students, to help achieve this goal.

The contacts and friends you make now, will influence your future life so much. Enjoy yourselves, and be active, both mentally and socially, for here is your golden opportunity.

It has been a pleasure and an honour working with you as Lady Stick. Thank you, for a wonderful year.

(Continued from Previous Page)

this year. Both Junior and Senior bodies have done a marvellous job. It has been a pleasure and an honour working with them. Their cooperation and punch in making the Science Faculty tops has made my job a very enjoyable one, indeed. If I may be allowed to make special mention, I should like to thank Jacqui Clark for her splendid work as

Lady Stick. Also Don Lamond and Jean McFarlane for their untiring efforts in Junior Division. Don Guthrie, Don Kepron, and Glen Lillington deserve special mention for handling their heavy duties in a very efficient manner. To the Council my personal thanks for their enthusiasm; to every Science student my appreciation and thanks for your cooperation.



HUGH H. SAUNDERSON
B.A., M.Sc., Ph.D., F.C.I.C.
Dean of Arts and Science

During the past few years, people generally have come to realize the importance of science as applied to their lives. The crisis of the war just ended has focussed attention on the part that the scientists could play in the production of material things. In the early days of the conflict, our countries needed all kinds of munitions of war, but there were practically no plants for producing them. Under the direction of the scientists, these plants were designed and built and they turned out such a mass of explosives and weapons of all kinds that it was difficult to find ships to carry them. With the entry of Japan into the war, the supplies of natural rubber were cut off, and for a time it looked as if the allied powers might lose the war for lack of rubber. The development of a synthetic rubber industry of its present proportions was a miracle of achievement, both in the shortness of time it took to gain volume production, and in the quality of the product. The development of radar and the atomic bomb were even more spectacular.

With these examples in mind, men everywhere are aware of the power of the scientist. But there is in their minds a feeling of fear for the future. With so much power available in the developments from the laboratory, not only power of the atomic bomb type but power to produce and power to change, what will be the effect on mankind in the future?

Here is a problem which must be of the greatest concern to scientists everywhere. It isn't good enough to say that the scientist does his work in the seclusion of his laboratory and that he is not responsible for its ultimate use. For too long, scientists have been content to stay with their research, and let others deal with the uses made of their discoveries. The scientist as the originator of that power has a responsibility which he cannot so easily cast off.

This naturally raises the problem of the social relationship of the scientist to the rest of the world. Many of the more thoughtful scientists are now saying that some, at least, of the scientists must leave the seclusion of their laboratories to act as statesmen. They will have to consider, advise and direct in the field of application, as well as to invent and produce. This, in turn, means that honours science students in our Universities, who are the raw material for the next generation's experts, will have to have training in fields now generally omitted from their courses, so that they can intelligently assume these added responsibilities. Students who are shortly to graduate should realize that their training in these fields has been insufficient, and they will have to remedy that lack in the future by reading, by discussing, by thinking about these broader issues. The responsibility is ours; we can shed it only at our peril as citizens.

DEPARTMENT OF CHEMISTRY

by HENRY P. LEMAIRE

ALAN NEWTON CAMPBELL

Professor of Chemistry, Head, Dept. of Chemistry. Born in Yorkshire, England, obtained his M.Sc. and Ph.D. in 1924 at London and his D.Sc. in 1929 at Aberdeen. Lectured at Aberdeen 1925-30. Came to Manitoba 1930, as Assistant Professor of Physical Chemistry. Was made head of Chemistry Dept. in 1945. A member of numerous scientific societies, Fellow Chemical Society, Fellow Society of Chemical Industry, Fellow Faraday Society, Fellow Royal Society of Canada. Dr. Campbell has written a book on the Phase Rule and published research papers on Electrochemistry and Physical Chemistry.

PAUL G. HIEBERT

Associate Professor of Chemistry. Born in Pilot Mound, Man. B.A., University of Manitoba, 1916; M.A., University of Toronto, 1917; M.Sc., Ph.D., McGill, 1922-24. Instructor of Chemistry at McGill, then returned to Manitoba in 1924. Fellow Canadian Institute of Chemistry and a member Manitoba Historical and Scientific Society. Dr. Hiebert has done extensive research in Inorganic Chemistry.

ALLEN DINWOODY ROBINSON

Assistant Professor of Chemistry. Born in Ontario. B.A., M.A., University of Saskatchewan, 1925-27. A Caleb Dorr Fellow and Ph.D., University of Minnesota, 1927-30. Assistant Chemist at the New Hampshire Agricultural Experiment Station. Came to Manitoba in 1930 as Assistant Professor of Agricultural Chemistry. President, Man. Sec. C.I.C., a member of the Winnipeg Scientific Club and the Sigma Xi. Dr. Robinson has done research on Physical Chemistry of Proteins and on Animal and Human Nutrition.

EDWARD HAROLD CHARLESWORTH

Assistant Professor of Chemistry. Born in Morpeth, Ont. B.A. 1930, M.A. 1931, Queen's University. Was awarded an 1851 Exhibition Scholarship and attended Oxford University, England, where he received his Ph.D. degree in 1933. Instructor at Queen's, 1934-37. Came to Manitoba in 1937. Dr. Charlesworth has done a great deal of research in the field of Organic Chemistry. M.C.I.C. Hobby, ardent stamp collector, specializing in Egyptian.



A. N. Campbell
A. D. Robinson

P. G. Hiebert
E. H. Charlesworth

JOHN T. EDWARD

Lecturer in Chemistry. Born in England in 1919, came to Canada at the tender age of five months. B.Sc., Ph.D., McGill, 1939-42. In 1942, at Iowa State College, he worked with Henry Gilman in chemical research for the synthesis of Quinine Substitutes in the fight against malaria. In 1943 he joined the National Research Council for war research in the Experimental Explosives Establishment at Ottawa. In 1945, he transferred to Department of National Defense's newly-built Canadian Armament Research and Development Establishment. Dr. Edward hopes to continue his Anti-Malarial research at Manitoba.

NORMAN O. SMITH

Lecturer in Chemistry. Born in Winnipeg. B.Sc., M.Sc., University of Manitoba, 1935-36. Ph.D., New York, 1939. Returned to Manitoba in 1939 as a lecturer. Member Canadian Institute of Chemistry. Dr. Smith has done a great deal of research in Inorganic and Physical Chemistry and has been especially concerned with Heterogeneous Equilibrium, Solid Solutions and Hydrates.

EDWIN J. PRITCHARD

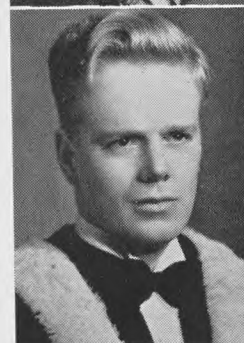
Lecturer in Chemistry. B.Sc., M.Sc., University of Manitoba, 1942-43. Studied at the University of Toronto for a year and worked with the National Research Council in the Explosives field. After release by N.R.C. he took up a position with the University of Manitoba.

D. A. BRUCE STEVENSON

Lecturer in Chemistry. B.Sc., M.Sc., University of Saskatchewan, 1935-38. Post-graduate work at the University of Wisconsin in Physical Chemistry. Mr. Stevenson now is interested in the field of Organic Chemistry. He is a member of the Canadian Institute of Chemistry.

MILTON KIRSCH

Lecturer in Chemistry. B.Sc., Ph.D., McGill University, 1942-45. Worked with the National Research Council. Member of the Sigma Xi, and Canadian Ass'n of Scientific Workers.



J. T. Edward
E. J. Pritchard

N. O. Smith
D. A. B. Stevenson

DEPARTMENT OF PHYSICS

by ALASTAIR CAMERON

JOHN FRANCIS TODD YOUNG

Professor of Physics, Head, Dept. of Physics, B.A., University of Toronto, 1916, Gold Medallist in Physics. Upon graduation, joined the R.C.N.V.R. and worked for the British Admiralty on the British Magnetic Mines, Destructor M. and L. Mines, in the Dept. of Scientific Research and Experiment. Returned to Toronto for his Ph.D., 1923. Came to Manitoba in 1924 as Assistant Professor of Physics, and became head of the department on the retirement of Dr. Allen. Dr. Young's main research interests lie in the field of X-ray Diffraction.

HENRY EDMISON DUCKWORTH

Assistant Professor of Physics, B.Sc. 1935, B.A. 1936, Manitoba. Ph.D. Chicago, 1942. Field was Packing Fractions of Atomic Nuclei and so worked on the Atomic Bomb project. During the last three years he worked for N.R.C. on Radar and Nuclear research. Dr. Duckworth is interested in Mass Spectroscopy.

WILLIAM PETRIE

Assistant Professor of Physics, B.A. (Hons.), University of British Columbia, 1940. Post-graduate work, Massachusetts Institute of Technology, and at Harvard, where he obtained his Ph.D. degree in 1943. Dr. Petrie is also an astronomer; he has done a great deal of research on the temperatures of stars at the Dominion Astrophysical Observatory near Victoria, and has published 8 papers in his field. Lectured in the Dept. of Physics at the University of British Columbia for three years. At Manitoba Dr. Petrie's program of future work includes Spectroscopic Observations dealing with Molecular Structure.

JOHN WERNER ABRAMS

Assistant Professor of Physics. A professional astronomer, A.B. Honours in Astronomy and Astrophysics, California, 1933. Studied at Harvard, Leiden Observatory in Holland, Tartu Observatory in Estonia, and Lick Observatory, California. Here he obtained his Ph.D. in Astrophysics. Lectured at the University of California, following which he became a Junior Astronomer in the U.S. Navy. At the end of 1940 he joined the R.C.A.F. Dr. Abram's interests lie in Theoretical Physics, Astronomy and Aerodynamics. His major outside interest is mountain climbing.



H. E. Duckworth
W. Petrie

J. F. Todd Young
J. W. Abrams

HAROLD FRANCIS FEENY

Assistant Professor of Physics, B.Sc. (Hons.), McGill University, 1937. Post-graduate study on the Stark Effect for M.Sc., McGill, 1940. Lectured at Laval University from 1939-1945. Obtained his Ph.D. in 1941, at Laval and became an Assistant Professor in 1942. Came to Manitoba in January, Dr. Feeny has done research and published three papers on Artificial Radioactivity. He hopes to do further research in Nuclear Physics.

BERNARD G. WHITMORE

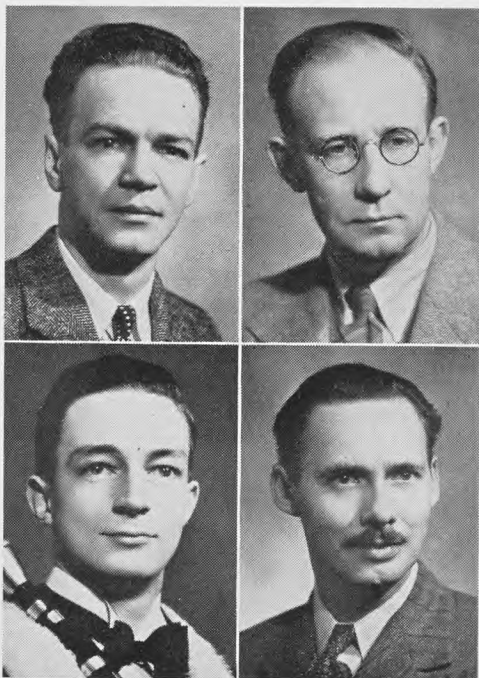
Assistant Professor of Physics, B.Sc. 1927, University of London. Came to Canada and obtained his M.A. in 1930 at the University of Toronto. After that, he continued his post-graduate work in other countries. Obtained his Ph.D. in 1933 at the University of Leipzig. Was scheduled to start teaching here in January but was delayed for a while on the other side of the Atlantic. Dr. Whitmore's field of research is in the High Frequency Conductivity of Electrolytic Solutions.

PETER A. STEWART

Lecturer in Physics, B.Sc. (Hons.), University of Manitoba, 1943. A former Senior Stick of Science ('42-'43). Enlisted in the Navy upon graduation and worked on Radar. Following discharge came to Manitoba to lecture and for further study. Mr. Stewart has done research on Mass Spectroscopy, but wishes to continue his studies in another branch of Physics. Now busily preparing material for his M.Sc. and looking after Mrs. Stewart of the Botany Department.

J. KELSO MARSHALL

Lecturer in Physics, B.A. (Hons.), 1939, M.A. 1941, University of British Columbia. Following this, he joined the National Research Council and did research on optics. Was on a Government Inspection Board on Radar. Came to Manitoba in January after being released from the National Research Council. Mr. Marshall's field of interest is Radio and allied subjects. He plays a little badminton for relaxation.



H. F. Feeny
P. A. Stewart

B. G. Whitmore
J. K. Marshall

DEPARTMENT OF BOTANY

by GLEN A. LILLINGTON

WILLIAM LEACH

Professor of Botany. Born in Cheshire, England. Served with R.A.F. in World War I. M.Sc. Manchester, 1924, Ph.D. Birmingham, 1930. Senior Botanist on Oxford University expedition to Lapland. D.Sc. Birmingham, 1933. Professor of Botany, University of Manitoba, 1937. An active research worker, has published some 22 papers on Plant Ecology and Physiology, and three books. In 1945 was elected Fellow of the Royal Society of Canada for his research on the causes of the Heating of Grain in Storage. Hobbies include amateur photography and horticulture.

CHARLES WILLIAM LOWE

Associate Professor of Botany. Born in Birmingham, Eng. M.Sc. Birmingham, 1915. Joined the Botany Department, University of Manitoba in 1916 and has been with us since. Professor Lowe is a member of the American Association for the Advancement of Science, the Botanical Society of America, and the American Microscopic Society. He has done research on Canadian Fresh Water Algae and Marine Diatoms, the Flora of Manitoba and similar subjects in this field. Hobbies include photography, gardening and Natural History.

HAROLD JOHNSTON BRODIE

Assistant Professor of Botany. Born in Winnipeg, another "local boy". Senior Stick of Science 1927-28. M.Sc. Manitoba, 1930. Newcombe Fellow, University of Michigan, 1930-33. Ph.D. Michigan, 1933. Fellow National Research Council (U.S.A.) 1934-35. Returned to University of Manitoba in 1937. Dr. Brodie is a member American Association for the Advancement of Science and the Botanical Society of America. He has published 16 research papers on Mycology and Entomology. Hobbies include music and gardening.

MRS. ILEEN STEWART

Sessional Assistant in Botany. B.Sc. (Hons.) University of Manitoba, 1943. Formerly Ileen Stoddart, the first woman editor of the "Question Mark". Now demonstrates in the Botany Dept. Married to Peter Stewart of the Physics Dept.



William Leach
H. J. Brodie

C. W. Lowe
Mrs. I. Stewart

DR. MAY SMITH

Lecturer in Physics. B.A. 1928, M.A. 1929, and Ph.D. 1933, all at University of Toronto. Was awarded a Royal Society Scholarship in 1935, which enabled her to go to Upsala, Sweden, where she studied until Easter, 1936. Following this she attended University College, University of London, for a year. Co-authress of a text-book on "The Physical Properties of Colloid Solutions". Dr. Smith has not had much time to devote to physics since then, having been preoccupied with raising a family.

BRUCE LUTZ

Lecturer in Physics. B.A., (Hons.), M.A., University of Western Ontario, 1942-1944. Joined the R.C.N.V.R. in 1944 and worked on Radar. Came to Manitoba last September following his discharge. Mr. Lutz's field of interest is Electronics, especially those parts concerned with High Frequency Radiations, Field Patterns, and Antenna Designs. He hopes to carry on further post-graduate study in this field.

PATRICK ANDERSON MACDONALD

Assistant Professor of Physics. B.Sc., M.Sc., University of Manitoba, 1925-26. Post-graduate work at McGill and California Institute of Technology. In 1930, he received the first and only Ph.D. in Physics ever awarded from the University of Manitoba. Appointed Radium Physicist in 1930 and is now Executive Director of Manitoba Cancer Relief and Research Institute, which acts as a central handling house of Radium Emanation products supplying the medical profession. Dr. Macdonald held various National Research Council Fellowships. His research program includes Electronics, where he is attempting to develop Electronic Amplifying devices to increase the Sensitivity of Spectrum Analysis of Blood. Also carried on research in the Absorptive Spectra of Ultra-violet and in the design and development of High Voltage X-ray Tubes for X-ray therapy.

WILLIAM ABRAHAM ANDERSON

Assistant Professor of Physics. B.Sc., B.A., and M.Sc. at the University of Manitoba in the years 1923-1925, winning the Gold Medal for Science in his final undergraduate year. Subsequently became the principal of the Collegiate Institute at Virden, Manitoba. In his spare time he did post-graduate work at the University of Chicago for his M.A. In 1929 he was president of the Manitoba Teachers' Federation and a member of the Advisory Board of the Dept. of Education. Mr. Anderson has done research in education and worked with Prof. Allen on Physiological Optics.

SAMUEL DOCTOROFF

Lecturer in Physics. B.Sc. 1927, University of Manitoba. Has taught school most of the time since then at Glenboro and Brandon. Joined the R.C.A.F. in 1942 and came to the University in January. He is interested in curling, vocational guidance, and gardening.

MAXWELL EDWARD KETTNER

Lecturer in Physics. B.Sc. (Hons.), 1942, University of Manitoba. Served with the Army Signal Corps. Manitoba claimed him last September. Mr. Kettner hopes to start on his M.Sc. when the pressure of work lessens somewhat. Interested in Spectroscopy. He is the proud father of one child.



Dr. May Smith
Bruce Lutz

DEPARTMENT OF MATHEMATICS

by NATHAN "TUZIE" DIVINSKY

THESSALON HERBERT MILNE

Assistant Professor of Mathematics. At present acting head of the Department of Mathematics. B.A., M.A., University of Toronto, 1915-16. Served with the Canadian Army in World War I. At the close of hostilities, he did graduate work in Chicago, then taught in Alberta and Buffalo. In 1927, Professor Milne came to the University of Manitoba and has been a member of the Mathematics Department since.

LLOYD DULMAGE

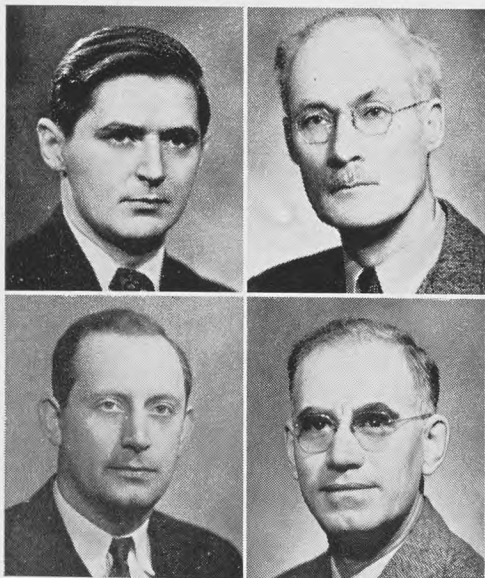
Lecturer in Mathematics. B.A., M.A., University of Toronto, 1939-40. Came to Manitoba in 1941, and first taught in the Actuarial Department. At present he is in charge of the Mathematics Department in Junior Division. Mr. Dulmage has presented to the Canadian Mathematical Congress a paper on "Enumeration of the 3-rowed n -column Latin Rectangle problem", and is now working on the r -rowed, n -column problem. Mr. Dulmage is studying for his Ph.D., which he hopes to obtain very shortly.

JAMES H. BELL

Assistant Professor of Mathematics. B.A. University of Western Ontario, 1937; M.A. and Ph.D. University of Wisconsin, '38-41. Joined R.C.A.F. after graduation and was loaned to the National Research Council for four and a half years. Worked on Radar and spent a short while overseas. Member Sigma Xi, a scientific fraternity, and the American Mathematical Society.

J. WILLIAM LAWSON

Assistant Professor of Mathematics. M.A. Manitoba, 1930. Formerly taught at Kelvin and Virden High Schools. In 1930 began to instruct at the University of Manitoba. He went to Chicago every second summer to study, and obtained his Ph.D. in 1945. Dr. Lawson plans to publish his thesis soon on "Minima of Integrals over Hypersurfaces in the Calculus of Variations". (We hope Dr. Einstein, at least, will be able to understand it.) Dr. Lawson is a member of the American Mathematical Society and his popularity among his students is obvious.



L. Dulmage
J. H. Bell

T. H. Milne
J. W. Lawson

BERNARD NOONAN

Lecturer in Mathematics. B.A. University of Manitoba, 1939. Mr. Noonan then spent a short time lecturing at the University of Manitoba and at Brandon College. He attended the University of Toronto, where he obtained his M.A. in 1942. This year he returned to Manitoba to lecture in Mathematics and study for his Ph.D.

HART D. CLARK

Lecturer in Mathematics. B.A. Manitoba, 1935. Rhodes Scholarship winner. He studied at Oxford but the war overtook him before he could complete his course. He has returned to Canada and is lecturing in Mathematics this year.

ARNOLD D. BENT

Lecturer in Mathematics. B.Sc. Acadia University, Nova Scotia, 1940. He served with the R.C.A.F. during the war and upon discharge, joined the staff of Mathematics Department, University of Manitoba.

H. B. PENDERGAST

Lecturer in Mathematics. B.A. Manitoba, 1940. Joined the R.C.A.F. upon graduation. After spending four years as a pilot in the Middle East, he returned to the University of Manitoba in September of last year as a lecturer in Mathematics. Very definite views on his marital status, "I sure am single!"

J. A. COWAN

Lecturer in Mathematics. B.Sc. (Hons.) University of Manitoba, 1943. Joined the Navy upon graduation, working on Radar and serving on the high seas.



B. Noonan
A. D. Bent

H. D. Clark
H. B. Pendergast

BETHUMNE VANDERBURG

Lecturer in Mathematics. B.Sc. University of Alberta, 1935. M.A. University of Toronto, 1939.

DEPARTMENT OF ZOOLOGY

by MARION KUMMEN

RONALD K. STEWART-HAY

Lecturer in Zoology. B.Sc., M.Sc., University of Manitoba. Post-graduate work at University of Edinburgh. Expert on all phases of Zoology—Vertebrate, Invertebrate, Chordate Anatomy. Mr. Stewart-Hay is especially interested in Physiology and Embryology. He is a member of the Canadian Association of Scientific Workers, and a curator of the Manitoba Museum.



R. K. Stewart-Hay



J. A. McLeod

JAMES ARCHIE McLEOD

M.Sc. University of Manitoba, 1933. Instructor at the University of Western Ontario for a year. Received a Diploma in Education from Manitoba in 1935. Joined the staff of the University of Manitoba in 1937. Took a teaching position at the University of Minnesota. In 1939 the University of Manitoba conferred upon him the degree of Doctor of Philosophy. He is the publisher of several scientific papers on such topics as the parasites of the Genus *Citellus*, Cercarial Dermatitis, and Schistosomid Trematodes.

ROBERT ARNOLD WARDLE

Professor of Zoology. Head, Dept. of Zoology. M.Sc. University of Manchester. Served on the continent in World War I. Extensive traveller, having conducted Zoological Expeditions in Egypt and the Sudan. Former Rockefeller travelling lecturer in Entomology. Renowned for his quick wit, and storehouse of humour, he is now working on two books, a Monograph on Cestodes, and the "Sources of Humour". Publisher of innumerable scientific papers. Professor Wardle is a leading Entomologist. He is a Fellow of the Royal Society of Canada.

DEPARTMENT OF GEOLOGY

by JAS. F. DAVIES

GEORGE McLEOD BROWNELL

Professor Geology and Mineralogy. Head, Dept. of Geology. M.Sc. University of Manitoba, Ph.D. University of Minnesota. Served with the R.C.A.F. in 1918 and was formerly an Assistant in Geology at the University of Minnesota. Dr. Brownell has done extensive field work with the Canadian Geological Survey and with the Manitoba Mines Branch. In 1935 he was awarded the Barlow Memorial Prize as co-author of a paper on "Geology of Flin Flon Mine". In 1942 he was the discoverer of the first major Bird River chromite deposit.

ALAN T. PRINCE

Lecturer in Geology. M.A. University of Toronto, Ph.D. University of Chicago. Formerly with Canadian Refractories Ltd., Montreal, and with the National Research Council. Dr. Prince came to the University of Manitoba in 1945. Has done research on High Temperature Phase Equilibria and lectures in Petrology, Petrography and Engineering Geology. Member Sigma Psi Fraternity.

EDWARD I. LEITH

Assistant Professor of Geology. B.Sc., M.Sc., University of Manitoba. Formerly Assistant in Geology at Yale University. Greatly interested in the fields of Paleontology and Stratigraphy. Has done considerable field work on the sediments of Newfoundland. Member Sigma Psi fraternity. Now working on his Ph. D. degree, dashing off to Yale University, New Haven, Connecticut (pronounced Conneticut) whenever time permits.



A. T. Prince



G. M. Brownell
E. I. Leith

The Editorial Staff wishes to apologize for any errors or omissions occurring in the faculty section. The influx of new personnel has been so large, that a complete coverage, though attempted, may not have been achieved in all departments.

THE SCIENTIFIC SOCIETY



DOUGLAS E. PIPER
President
Scientific Society

and "Tuzie" Divinsky. The purpose of the Scientific Society may be briefly summed up as follows:

(a) To provide, by means of outside speakers, an opportunity for students to learn many of the more interesting aspects of their courses, which cannot be covered in lectures.

(b) To give students a chance to become acquainted with professional men in their particular field and to become affiliated with

The Scientific Society is an organization of the Science Students Association embracing the various scientific clubs on the campus. Its executive consists of the president, Doug Piper, who sits on the Science Council, and the heads of the various clubs, Mitchell Borkowski, Jim Davies

nation-wide scientific organizations, such as the Chemical Institute of Canada and the Canadian Geological Association.

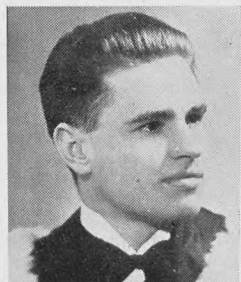
(c) To give senior students experience in presenting scientific papers and in speaking.

(d) To give junior students, through talks by senior students, an idea of the more advanced phases of their courses.

Although the Scientific Society has had to be completely revised on a new basis this year, the results at Senior Division have been very gratifying. The newly organized Chemistry Club and Mathematics Club have a very enthusiastic membership; while the Geology Club is once again very active. Plans are underway for the organization of a Zoology Club and a students' Physics Club in 1946. It is also hoped that sufficient interest will be shown in Junior Division to warrant formation of Junior branches of the Scientific Society the following year.

The groundwork has been laid for an extensive, far-reaching program. We recommend that all Science students take an active part in one or more branches of the Society, and so derive the maximum benefit from their University courses.

CHEMISTRY CLUB



MITCHELL BORKOWSKI
President
Chemistry Club

The Chemistry Club was first organized in Senior Division as a branch of the Scientific Society, on Nov. 2, 1945. Membership totals 40. Mitchell Borkowski (Hon. /46) was elected president, and L. Mackie of 3rd year, sec.-treas. The objects of the Chemistry Club may be briefly stated as follows:

(1) To disseminate chemical knowledge among all, who are interested in the subject as a science.

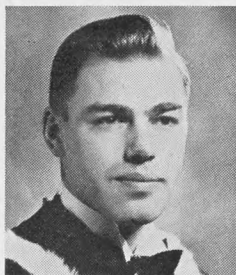
(2) To provide information, and deal with the various aspects of chemistry as a profession, for the benefit of those who contemplate entering the field upon graduation.

Among the proposed activities of the club are:

- (1) Lectures by guest speakers.
- (2) Prepared talks by student members.
- (3) Discussion groups.
- (4) Tours of industrial plants.

Some of the lectures given to date include: "The Chemical Institute of Canada," by Dr. A. D. Robinson; "Synthetic Rubber," by Dr. E. H. Charlesworth; "Explosive RDX," by Dr. J. Edward; "Allotropy and Polymorphism," by Dr. A. N. Campbell; and "Some Peculiar Chromium Compounds," by Dr. N. O. Smith—all of the Chemistry Department. Among the papers presented by student members have been: "Aviation Gasoline," by Douglas E. Piper; "Refining of Cu and Zn," by John H. Wood; and "Sex Hormones," by Charles S. Lennox. Dr. R. K. Larmour, Director, Prairie Regional Laboratories (National Research Council) and a member of the Board of Directors of the C.I.C., addressed the members of the club on "The Aims and Functions of the Chemical Institute of Canada." The Chemistry Club is an affiliated student chapter of the Chemical Institute of Canada and members attend evening meetings of the local branch of the C.I.C.

GEOLOGY CLUB



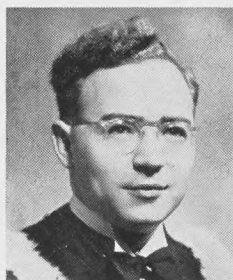
JAS. F. DAVIES
President
Geology Club

The Geology Club, one of the oldest students organizations on the campus, after a few years of comparative inactivity during the war years, was reorganized early in the first term of this year. Membership totals thirty. Jim Davies (Hons./46) was elected president, Tom Osborne

(B.Sc./47) vice-president, and Harold Johnson (Hons./46) secretary-treasurer.

The Geology Club has enthusiastically supported the Scientific Society and has served as a model along whose lines the other clubs could be organized. Weekly meetings have been held between 12.30 and 1.30 on Wednesdays, where lectures, papers, or films were presented. Among the contributors to date have been Dr. Prince, Dr. Brownell and Prof. Leith of the Geology Department; Mr. Shepherd, of the Midwest Mining Association; Mr. S. Mouritsen, Mr. J. Procter, Mr. T. Osborne, Mr. J. Davies, Mr. N. J. McMillan, Mr. H. A. C. Johnson and Miss Joan Quantz. The Geology Club is an affiliated student organization of the Canadian Institute of Mining and Metallurgy. Members receive monthly Institute Bulletin.

MATHEMATICS CLUB



N. "TUZIE" DIVINSKY
President
Mathematics Club

The Mathematics Club was organized for the first time this year under the Scientific Society. At the first meeting Nathan Divinsky was elected president, Doug Milton vice-pres., and El Jane Beverly sec.-treas. These hard-working executives head an active, enthusiastic group of members.

"Integrate—is the Wronskian zero?" is the language peculiar to our mathematicians.

The students meet once a week to delve into the bewildering problems of higher mathematics and to expound their own

questions, doubts and pet theories to one another. Once a week a student gives a talk on some phase of mathematics—and once a month an evening session is held, where a professor is asked to speak, and refreshments are served. Weekly questions are given to the members and when an occasional solution does pop up, the budding genius is handsomely rewarded.

PHYSICS CLUB



BENJAMIN G. HOGG
Address on
"Magnetic Ions"

This organization was suggested and organized by Dr. H. E. Duckworth in the fall of the year. The purpose of the club is to bring forward to members of the Department of Physics and senior students modern advances in Physics. The program was selected to consist of talks by people actively

interested and working in given fields. The attendance has been striking—with Professors of other faculties and the affiliated colleges attending. The series, which consisted of bi-monthly meetings, was opened by Dr. J. F. T. Young, head of the Department, who lectured on "X-ray Diffraction." The following seminars were lectured to by: Mr. Peter Stewart—"Separation of U-235"; Dr. J. W. Abrams—"Fundamentals of Mechanics"; Mr. Ben Hogg—"Magnetic Ions"; Dr. Feeny—"Thermal Neutrons"; Mr. John Montague—"The Aural Spectrum."

This organization is unique, since it does not operate under the Scientific Society, being more in the nature of a seminar than a club.

SCIENCE and TOMORROW

(Continued from Page 3)

benefits which science is to provide: atomic energy for fuel, stratosphere travel to link all points on the globe, drugs and vaccines to produce a superman. Where in all this lies the provision for the progress of love and human understanding? In this new world will we find greater happiness through the services of technology? Now, more than ever before, the man or woman who chooses to obtain a scientific training should take great care not to assume that science alone can teach the evaluation of those precepts that could make for an abiding peace.

SENIOR SCIENCE COUNCIL

SENIOR SCIENCE COUNCIL

Back Row—Chuck Campbell (Pres. Fourth Year), "Dink" English (Manitoba Rep.), Wilf Baldwin (Brown and Gold Rep.), Glen A. Lillington (Social Chairman), Lorne Palmason (Sr. U.M.S.U. Rep.),
Second Row—John H. Wood (Quartermaster), Doug E. Piper (Pres. Scientific Society), Lynn A. K. Watt (Senior Stick), J. Jasper Conn. Jr. (Asst. Treasurer), Donald A. Guthrie (Treasurer), Harry Tregobov (Editor "Question Mark"),
Front Row—Eileen McFetridge (Pres. Dramatics), El Jane Beverley (War Services Rep.), Bernice Porteous (Ladies' Club), Jacqueline M. Clark (Lady Stick), Helen Bowen (Rep. Fort Garry Campus Committee), Betty S. Morton (Pres. Debating),
Missing—Verna Peto (Pres. Women's Athletics), Don Kepron (Pres. Men's Athletics), Howard Fairbairn (Pres. 3rd Year), Dorothy Friskin (Secretary), Eric Rosebourne (Jr. U.M.S.U. Rep.), Bob Halparin (A.B.C. Rep.).



JUNIOR SCIENCE COUNCIL



Back Row—Gordie Youngson (Pres. 2nd Year Pre-Med.), Ken McRae (Junior Quartermaster), Don Lamond (Jr. Stick), Dave Cohen (Debating Rep.), Don Bulloch (Sports Rep.).
Front Row—Joyce Findlay (Secretary), Ruth McElheran (Women's Sports), Bertha Kristjansson (Vice-Pres. 2nd Year), Shirley Jackson (Junior Social), Jean McFarlane (Jr. Lady Stick).
Missing—Bob Hinch (Vice-Stick), Eric Rosebourne (Junior U.M.S.U. Rep.), Larry Freeman (Treas.), Henry Schreiber (Dramatics), Glen Eyford (Manitoban Rep.), Gord Burgess.

MASTER OF SCIENCE STUDENTS

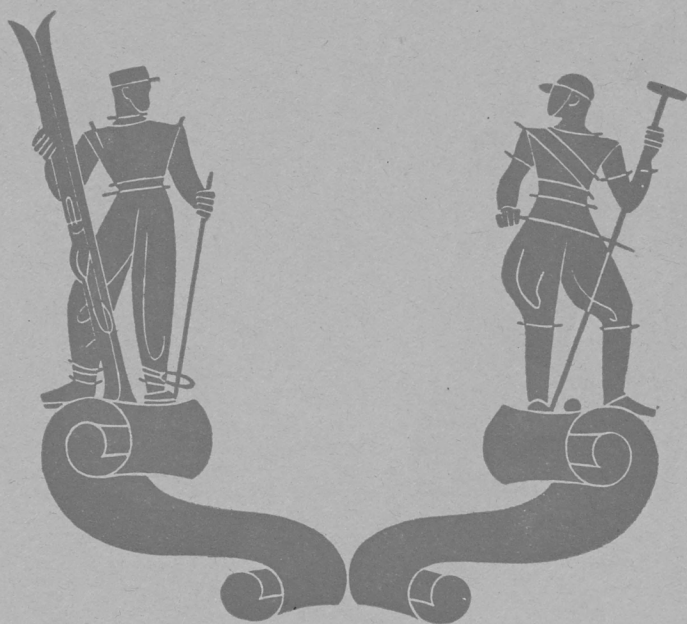


Back Row—Don E. McKenzie, Harry Boelhower.
Front Row—Sidney Miller, Henry Lemaire, Jack W. Coutts.



—Photos Courtesy Robt. M. Monro

Sports



SOFTBALL



JUNIOR SOFTBALL INTERFACULTY CHAMPS

Back Row—Bob Hinch, Jack Beckman, Don MacDougall, Danny Wolch, Don Lamond, John Hamm, Gus Swartz.

Front Row—Al Buchanan, Roy Butler, Jack Bermack, Crawford Judge, Stew Smith.



SENIOR SOFTBALL

Back Row—Art Wittenberg, Harold Johnson, Don McKenzie, Hank Lemaire, Tom Goodhand, Harry Tregobov, Hy Fogelman.

Front Row—Stan H. Baldwin, Dick Wilson, Bernie Derback, Walt Musick.

Missing—Stan Bader, Ted Purcell.

SOCCER



SENIOR SOCCER

Back Row—Dick Wilson, Jack MacKenzie, Glen Lillington, Bernard Derback, Stan Baldwin, Walt Musick.

Front Row—Lorne Markusson, Tom Goodhand, Stan H. Baldwin, Harry Tregobov, Harold Johnson.

Missing—Dave Robertson, Al Klein, Stan Bader, Ian McLean, Laurence B. Buchanan.



JUNIOR SOCCER

Back Row—Ed Childes, Don MacDougall, Jack Beckman, Art Steel, Don Lamond, A. W. Morris.

Second Row—Al Buchanan, Roy Butler, Jack Bermack, Crawford Judge, Gus Swartz.

Front Row—John Hamm, Danny Wolch, Bob Hinch.

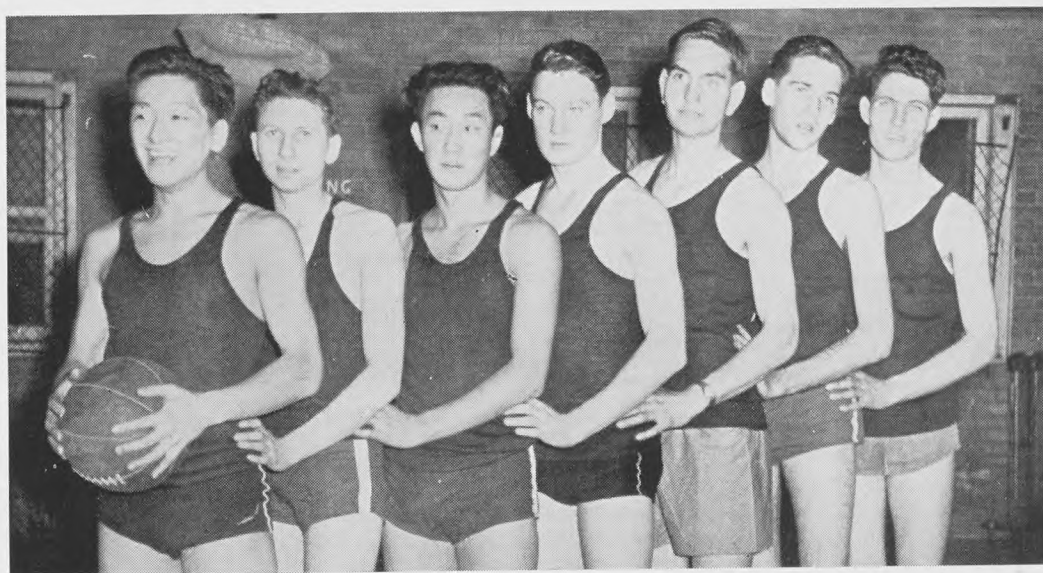
JUNIOR HOCKEY



JUNIOR HOCKEY

Back Row—Al Buchanan (Coach) Cal MacIver, J. Donaldson, Ed Abbott, I. Zaitzow, H. Tregobov.
Front Row—Maurice Chornoboy, Wilf Juravsky, Roy Butler, A. W. Morris, Mickey Cochrane,
 Gordon Cormie, "Woody" Wood.

SENIOR BASKETBALL



SENIOR BASKETBALL

Henry Sugiyama, Harry Tregobov, Masao Saito, Don Wood, J. MacKenzie, Bob Baird, L. Campbell,
 Missing—Jack Glover, Stu Northcote, John Donaldson.

CURLING

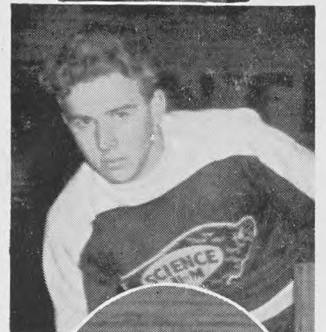
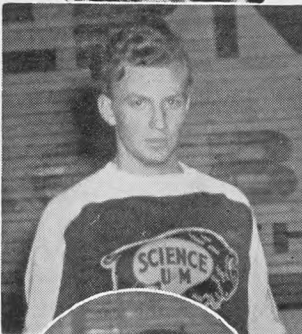


INTERFACULTY CURLING CHAMPS

Reading Top to Bottom

BOB BLAKELY, DON DINGLE, LYNN WATT, BILL SHARPE (*Skip*)
 IAN MACLEAN (*Skip*), JOHN LANIGAN, ARVON KEATIN, ALLAN ROBB.
 HELEN CHARENKO (*Skip*), LIBBY BOOKHALTER, DOROTHY BROWN, BERNICE PAULSON
 MURIEL CAWSON, RUTH THOMPSON, ANN KARASIEWICH, MYRTLE THOM.
 ERNIE PELZER, EDDIE DALIK, J. HOLMES SIMPSON, MAC SCALES (*Skip*).
 (*Semi-Finalists Manitoba Bonspiel*).

SENIOR HOCKEY



STAN H. BALDWIN (*Spare*)

DON KEPRON (*Defense*)

STAN BADER (*Wing*)

DANNY WOLCH (*Wing*)

"MOOSE" MUSICK
(*Mgr.-Coach*)

PATRICK PREMACHUK
(*Defense*)

AL KLEIN (*Centre*)

BOB WILCOX (*Centre*)

LORNE MARKUSSON (*Goalie*)

LARRY STEPHEN (*Defense*)

TOMMY GOODHAND (*Wing*)

HERB LABOVITCH (*Wing*)

Missing—DAVE ROBERTSON (Defence)



GIRLS' VOLLEYBALL

Back Row—

JOAN QUANTZ
PAM WEISS
ANN HALL
HELEN BARNES
RUTH THOMPSON

Front Row—

MARION SUGDEN
SHIRLEY JACKSON
EVELYN SHINOFF
CYNTHIA BOOKBINDER

TENNIS

Back Row—

STAN BALDWIN
HENRY SCHREIBER
LYNN WATT
DON BURGESS
KEN McRAE

Front Row—

VERNA PETO
RUTH McELHERAN
GWYNITH BALLANTYNE
EILEEN McFETRIDGE



BOWLING

INTERFACULTY CHAMPS

Standing—

MAC SCALES
DOUG BRIDGE
HANK PROMISLOW
BILL EWART

Seated—

AL KLEIN
WILF BALDWIN



JUNIOR BASKETBALL

INTERFACULTY CHAMPS

RON PURDY
LARRY RAWLINSON
CHUCK DINNING
NOEL PRITCHARD
DICK WILSON (*Coach*)

Missing—

F. Moser, W. Moser, S.
Roitman, J. Anderson,
Bob Rice, Eric Rose-
bourne, Roy Chittick.



SWIMMING

Back Row—

PETE WEBB (*Convenor*)
TOM WALSH
GEORGE MONTAGUE
BOB DAVIDSON

Front Row—

PAM WEISS
SHIRLEY JACKSON
ANN HALL
ADA LOU BARBER



GIRLS' BASKETBALL

Back Row—

MARION SUGDEN
JOY ADAMS
ANN HALL
ANN KARASIEWICH
RUTH THOMPSON

Front Row—

JOAN QUANTZ
PAM WEISS
LYNNE WATTS
SHIRLEY JACKSON



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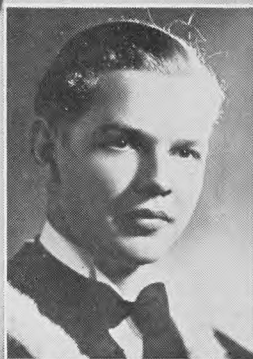


'HOO'S
'HOO
IN
SCIENCE



HAROLD JOHNSON

Fifth year — Geology Honours. Gordon Bell High School. Tall, blond and good-natured. A zealous worker, has held responsible positions on Science Council and U.M.S.U. Supervised revision of Science Faculty constitution, member Science Awards Committee, formerly President Board of Instrumental Music, principal in Glee Club's "H.M.S. Pinafore", and slush-pump (trombone to the non-musically inclined) player for U. of M. Symphony Orchestra. Robertson's side-kick on geological expeditions; ambition to find gold anytime, anywhere. (See article in "Question Mark").



LYNN WATT

Fourth year — Maths. and Physics Honours. Gordon Bell High and St. James Collegiate. Capable Senior Stick of Science. Premier Tuxis Boys' Parliament 1944. Star debater and consistent scholarship winner. First-rate athlete — track, tennis, curling. Elected President U.M.S.U. 1946-1947.



JOAN QUANTZ

First year Pre-Masters — Geology and Chemistry Honours. Glenlawn Collegiate. At one time only woman geologist in Senior Division. Starry athlete, has represented Science on every woman's team for past five years in volleyball, basketball, track, bowling, badminton. Winner of coveted Athletic Cup. Member of Delta Pi Sorority. Aspires to go on geological surveys with "the boys" or work as a paleontologist in the oil industry, that is, until that certain electrically minded young man decides to pop the question. Definitely not a career woman.



DAVE ROBERTSON

Fifth year — Geology Honours. Centennial High School, East Kildonan. University years studded with official positions. Science Junior U.M.S.U. rep. 1943-44; President Athletic Board of Control 1944-45. Climax of political career when elected President of the U.M.S.U. 1945-46. Tall, dark and slim, star hockey player and soccer enthusiast; croaks a high tenor and attempts to blow the trumpet. Staunch member Delta Upsilon fraternity. Veteran of numerous geological expeditions to parts unknown. His greatest ambition — to strike gold in East Kildonan — as yet unrealized.



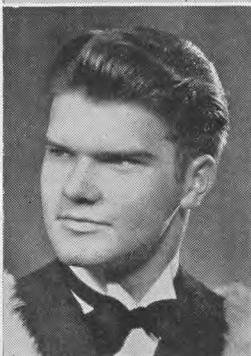
JACQUI CLARK

Fourth year — Psychology and Zoology. Daniel McIntyre Collegiate, and cum laude from the School of Experience. Gamorous Lady Stick of Science, formerly President Pre-Med. 1944. "Sophisticated, intellectual, cuddly and friendly." (Editor's Note: This phrase was wired us from Regina.) Member Kappa Gamma sorority. Ambition: to carry Professor Wardle's bags on his next trip to the Sudan.



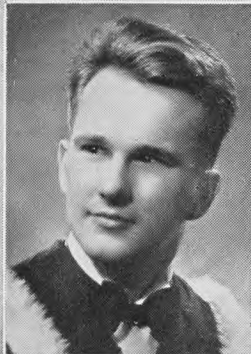
GLEN A. LILLINGTON

Fourth year — Zoology and Botany. Former inmate of Daniel McIntyre Collegiate and State School for the Criminally Insane; now devoting himself to practically every activity on the campus. Holds the official titles of Science Social Chairman and Assistant Editor of the Question Mark, but dabbles in everything from soccer, skiing, Glee Club, Drama Festival, Varsity Varieties to tea dance entertainment. A character — collaborates with Baldwin on allegedly humorous songs and jokes. One of the founders and bulwark of the Manitoba Scientific Workers Cultural Society (see candid pages). Scholarship winner and veteran of Zoological frog-trapping and fish scale-counting expeditions. Hobbies: Women (especially blondes, brunettes, red-heads and what have you) Ambition: Medicine.



DAVE ENGLISH

Fourth year — Physics and Chemistry. Kelvin High School. Manitoban rep., Asst. Editor and chief proof-reader of the Question Mark. Blessed with a rapid-fire brain, invariably catches a certain Chemistry professor off guard, with questions that tie him in knots. Main interests seem to lie centred in a "sartin someone" from the Home Ec. Faculty; can be located on the second floor, Bacteriology Bldg., at any time. A bit of a millitarist, is always bumming smokes in true army fashion, and holds the rank of Second Lieutenant in the C.O.T.C. Ambition: Censored.



HARRY TREGOBOV

Fourth year — Geology and Zoology. Isaac Newton High School alumnus. Formerly a Year Book Editor, now a powerhouse of energy as Editor of the Question Mark. Fresh from a year and a half's stint with the army, claims classes interfere too much with more important phases of University life. Good-natured, patient and efficient, enjoys matching wits with Geology professors and business associates. Formerly checker champion, now indulges in more strenuous athletics like ping-pong. Hard hitting member of Science soccer, softball and basketball squads. Ambition: Head Geological Mapper on Robert Monro's Botanical Survey party.

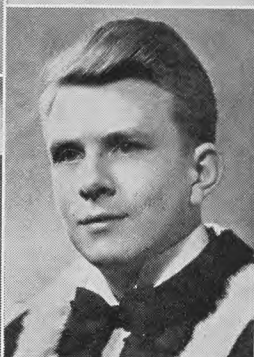
HANK SYZEK

6 ft. 4 ins. star of the Varsity basketball squad, brown curly hair, addicted to a tall, dark vivacious Bisonette, mentioned elsewhere on this page. Formerly a fourth year Science student, now winding up odd units in Pre-Med after a summer's vacation with the Army. Ex-Banko convenor and champion of the men's common room. With the departure of side-kick Colson, Hank has returned to his first love, tiddley winks. Ambition realized — has finally mastered the art of sluffing them from the bottom, so diligently practiced at C.O. T.C. camps.



BERNICE PORTEOUS

Four year — Zoology and Botany. Saskatoon's contribution to Manitoba U. Pres. of the Science Ladies Club (yes, we do have "Ladies" in Science). Tall, dark, vivacious, "hubba-hubba" girl, interested in basketball and a certain star of the Varsity basketball squad, who stands 6 ft. 4 ins. in height, has brown curly hair, and is mentioned elsewhere on this page. Very friendly and personable, aspires to study Medical Psychology at the University of Southern California.

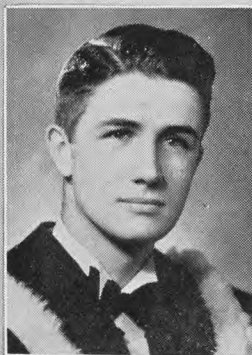


DON GUTHRIE

Fourth year — Chemistry and Physics Honours. West Kildonan Collegiate. Treasurer of the wealthy Science Council, may be seen with check book and fountain pen in each hand, fighting off all comers. Insists "there is no graft" (unquote). Once typed as the "flighty love-bird", Casanova Guthrie has recently developed a prejudice against brunettes and redheads. Scholarship winner and member Deke fraternity. Ambition: to get to lectures on time.

CHARLES CAMPBELL

Chemistry and Physics Honours. Trinity College School, Port Hope, Ont. President Fourth Year Science. For the second year in succession his warblings as the tenor lead in Glee Club productions caused feminine hearts to beat a little faster. Member Zeta Psi fraternity. Plays hockey, rugby (chesterfield preferred) and bridge.



NATHAN DIVINSKY

Fourth year — Maths. and Physics Honours. St. John's Tech. President of Mathematics Club. Better known as "Tuzzie". Virtuoso of the 88 keys, pep rally enthusiast, musical comedian, and mathematical wizard — what a mixture! Asks professors embarrassing questions — runner-up in Canadian Chess Tournament, 1945. President Tau Delta Phi fraternity.



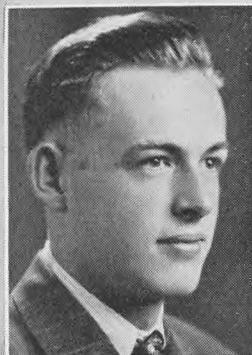
WILFRED H. BALDWIN

Third year — Zoology and Botany. Daniel McIntyre Collegiate. Brown and Gold Rep., very friendly, formerly president of a West End Youth Centre. Versatile M.C. and entertainer, an old standby at Varsity dances and pep rallies. Wilf's jokes and songs (Basin Street, etc.), have won him just fame. Reported to have been born with Joe Miller's Joke Book in his mouth. A self styled ping pong champ, possesses a car of uncertain vintage and disposition. Phi Kappa Pi fraternity. Ambition: to grow a mustache that will show.



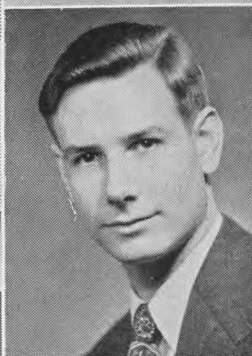
DICK WILSON

Third year — Geology and Chemistry. Kelvin High School. Vice-Stick of Junior Science, 1944-45. A.B.C. rep. 1946-47. Manager and coach of Science basketball teams, member of Varsity Bisons basketball squad, and flashy soccer player. One of the notorious bridge fiends of the men's common room. Printable interests — duck shooting, Phi Kappa Pi fraternity, and a "little" girl (that's a pun, son) in 3rd year Arts. Ambition: to sink more than one foul shot in ten attempts.



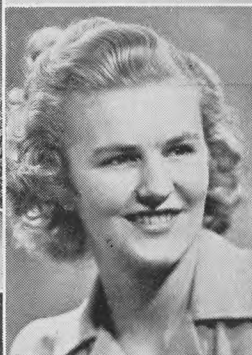
DOUG MILTON

Fourth year — Maths and Physics Honours. Daniel McIntyre Collegiate. Valedictorian of high school class. President Glee Club, devoted to mathematics and food. Hobbies skiing (pronounced she-ing) singing in a cracked voice and entertaining with his bludgeon keen wit. Ambition: to understand women?



DOROTHY THOMPSON

Third year — Chemistry and Zoology. Riverton High School and United College. Lovely Queen of the Ice Carnival, always draws a sharp about face for another look from Science wolves. Beautiful and friendly—a wonderful combination. Owes that figure to active participation in all sports—curling, golfing, swimming, tennis, etc. Loves to putter about Chemistry Lab. and absorb the odoriferous formaldehyde fumes in the Zoology Lab.



ANN HALL

Zoology and Chemistry. Lord Selkirk School. Vice-President of Pre-Med. '44-45. Best known girl athlete in the faculty. Has starred for Science teams in volleyball, basketball, golf, swimming. Blessed with flowing Titian hair and a very friendly disposition. Would eat an earthworm for five dollars. Ambition: to get someone to put up the five. Elected Lady Stick 1946-47



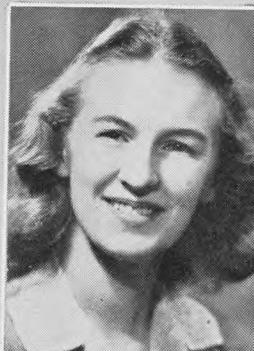
DON KEPRON

Third year — Physics and Chemistry, Isaac Newton High School and United College. President of Men's Athletics. A mighty muscle man, "Kep" keeps in shape beating off erstwhile feminine admirers. Champ discus thrower and shotput heaver, prefers parlor rugby; but hockey, soccer, gymnastics also attempted. Phi Kappa Pi fraternity. Elected Senior Stick 1946-47.



JEAN McFARLANE

Second year Pre-Med. A former President of St. James Collegiate. Now capably handling the chores of Junior Lady Stick and publicity chairman of the Broadway Campus Committee. Member Junior Varsity basketball squad. Intelligent and efficient, popular and energetic — here is one girl who is definitely slated for success. Ambition: Medicine.



BOB HALPARIN

Second year Pre-Med. St. John's Tech. Monty's kid brother, attempting to follow "In His Steps" and doing a grand job. A.B.C. rep., Ice Carnival convenor, and Manitoban sports columnist number amongst his uncensored interests. An amateur humorist and a hustling executive, personable Robert is a great sports enthusiast. A friendly, loyal Science man, he aspires to drum up the old college spirit, and see a better attendance at Varsity games.



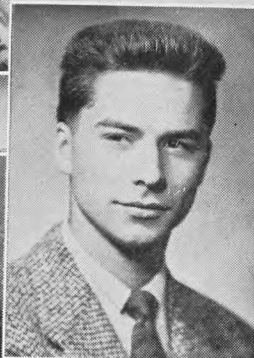
VERNA PETO

Third year — Zoology and Chemistry. Kelvin High School. President of Women's Athletics. Junior Social Rep. 1944-45. Star basketeer for Varsity Bisonettes. Upholds Science standards in volleyball, track, swimming. Pretty, talented and friendly. Elected President W.A.D. 1946-47. Ambition: occupational therapy, until the right fellow comes along. Not a career woman.



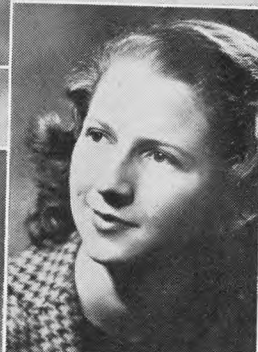
DON LAMOND

Second year Pre-Med. Kelvin High School. The man of many activities: Junior Stick of Science, Chairman of Broadway Campus Committee, Director of Science dramatic production, President of First Year 1944-45, Varsity Junior basketball team 1944-45. Upholds Science standards in rugby, track, swimming, basketball, soccer, baseball. Popular and enthusiastic. Ambition: to get some studying done sometime this year.



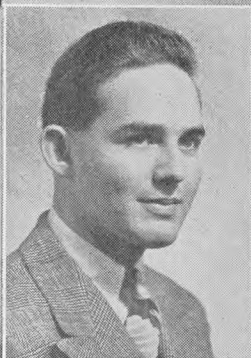
SHIRLEY JACKSON

Second year Science. Kelvin High School. Activities: Junior Social rep. 1945-46, Social Chairman of First Year 1944-45, Varsity cheer leader, Sec. Broadway Campus Committee, athlete par excellence—basketball, volleyball, skiing, swimming. Petite, competent and amiable. Ambition: to get into Third year Science.



ERIC ROSEBOURNE

Second year Pre-Med. A fugitive from Kelvin High School. Junior U.M.S.U. rep. and on as many committees as time permits. A mere stripling of 16 summers — knows practically everyone in the Science faculty by his first name. Will do anything for a laugh. Ambition: to be a big time operator, and to join the Manitoba Scientific Workers Cultural Society on his 18th birthday.



EVELYN DUNFEE

First year Science. Riverbend School's contribution to the Faculty. Science Freshie Queen candidate and Social Rep. of First year. Has a sparkling personality and attracts attention wherever she goes (no comment required). Hopes to get a degree in "something or other, sooner or later". Ambition: to enter a meteorological bureau and cause a hurricane.



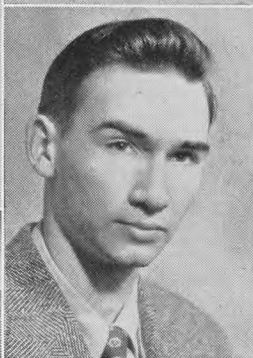
AL BUCHANAN

Second year Science. Graduate Kelvin High School. Rugby, soccer, softball, track star. Manitoba High School's half-mile champ, 1945. Winner mile and 3-mile grinds at U. of M. track meet. Hockeyist par excellence, upholding Winnipeg Monarch colors and on Toronto Maple Leafs' farm list. Coached and managed Science's Junior Hockey team. Quiet and personable, he is an all-round good sport. Ambition: to be credited with eight units for athletics and make the grade in professional hockey.



ROBERT HINCH

Second year Pre-Med. Kelvin High School. Vice-Stick of Junior Science and Social Chairman of the Broadway Campus Committee. Also starred on Science soccer and baseball teams. A natural leader and a friendly, tireless worker. Ambition: to get A+ in English and an M.D. (specializing in Swedish massage).



RUTH McELHERAN

Second year Science. Kelvin High alumnus. Junior Women's Sport rep., Freshmen day committee, Vice-Pres. First year Science '44-45. Member of Science athletic teams — volleyball, track and field, tennis. Aptly described as "a winsomely blond lassie with a classy chassis". Very sensible and witty—in short, an eager beaver. Ambition: technician.



BILL ABBOTT

Second year Pre-Med. Kelvin High School. Champion athlete, Bill has gathered more athletic points than anyone else in Junior Science—track, baseball, soccer, swimming, rugby, ad infinitum. Possessor of a very infectious horse laugh. Known as Winnipeg's gift to Kenora womanhood. Ambitions: to get his letter in Women's Athletics and an M.D.





FIFTH YEAR SCIENCE

Back Row—Bill Sharpe, Ray Turgel, Ben Hogg, Harold Johnson, Harvey Parkhurst.
Centre Row—Stan Sproule, Charles Lennox, John H. Wood, Gershen Winstock, Dave Robertson, Roy Dowling.
Front Row—John H. Montague, Doug. E. Piper, Joan Quantz, Jim Davies, Mitchell Borkowski.



FOURTH YEAR SCIENCE

Back Row—Milton Good, Albert Hilderman, Harry Westdal, Sam Losniavo, Glen Lillington, Bernie Derback, Frank "Jock" Lenoski, Ben Mandell, Jasper Conn Jr., Don Guthrie.
 Third Row—Chuck Campbell, Stan Baldwin, John Procter, "Moose" Musick, Lorne Palmason, Lorne Markusson, Hal Jonasson, Hugh Anderson, Gordon Skinner, Al Knight.
 Second Row—Harry Tregobov, Lynn Watt, "Tuzie" Divinsky, Helen Bowen, Miriam Cawson, Annetta Cameron, Doug Milton, "Dink" English, Lawrence "Buck" Buchanan, Stan Mauritson, Harold Fyfe.
 Front Row—Myrtle Thom, Marion Kummnen, Marian Given, Betty Morton, El Jane Beverley, Emily Gould, Betty Ohlson, Betty Weightman, Jacqui Clark, Mavis Millar, Bernice Porteous.
 Missing—Hy Fogelman, Al Klein, Ian McLean, Gord Thompson, Eva Onofreyo.



THIRD YEAR SCIENCE

Back Row—Bill Jessiman, Eric Bell, Patrick Premachuk, John Mainella, Barry Davies, Larry Mahon, Fred Falkner, Murray Smith, Tom Delaney, Tom Oliver, Bob McDonald, Tom Osborne, Wilf Albi, Stan Scott.
Fourth Row—Manly Levin, Bruce Watson, "Twiffy" Goodhand, Stan. L. Baldwin, Nick Neufeld, Mauny Wellman, Dave Patterson, Howie Fairbairn, Isaac Farn, Len Cohen.
Third Row—Eddy Bass, Jack Mackenzie, John Arnason, Bert Calhoun, Lillian Riddell, Constance Cox, Olive Pincock, Shoji Takahashi, Glenn Mansell, Pete Jaquen, "Moose" Musick (chaperone).
Second Row—Edith Turtle, Joy Adams, Dorothy Brown, Marion King, Gloria Ohlson, Dorothy Friskin, Verna Peto, Margaret Raven, Marion Sugden, Ruth Thompson.
Front Row—Ken Standing, Jack McMillan, Bill Medway, Harold Still, Hirokozu Morita, Eph Miller, Dick Wilson, L. Montgomery, M. Slobodian.



SECOND YEAR SCIENCE

Back Row—Dave Shearer, Jim Lilley, Laurie Hamilton, William Bobey, John Hamm, Peter Klassen, Frank Moser.
 Fourth Row—Ralph Woolverton, Henry Uda, Chester Kuryliw, Lawrence Lee, Don Court, Cliff Newberry, Harold Deeks, Lorne Chanin, Frank Mathews, David Cohen.
 Third Row—Jack Henderson, Leonard Fowell, Hironosi Furuya, Susumu Fukuyama, Charlie Fremming, Bill Goodeye, Harold Christie, Ken McCrae, Bert Brady.
 Second Row—Paul G. Schwindt, William Moser, Nestor Ortynsky, Orest Lewycky, Dennis Lethbridge, Jack Bermack, Sam Roitman, John Christakos, Joe Tetrault, George Procter.
 Front Row—Peggy Kreuger, Joyce Hamilton, Shirley Jackson, Ruth McElheran, Elinor Kirtzmark, Norma Stuppard, Rosemary Slavis, Bertha Kristjansson, Shirley Stinson.



SECOND YEAR PRE-MEDICAL

Back Row—Ken Crawley, Ron Bradford, Jim Ferguson, Mindy Myrdal, Kris Backman, Russ Abraham, Stew Smith, Lyle MacDonald, Ed Graydon, Jim Eastwood, Gord Youngson.
Third Row—Stan Furman, John Neufeld, Andy Kuzyk, Bruce Young, Mel Woods, Dick Baird, Bernie Fast, Bohdan Leysack, Alec Strelloff, Don McDonald, Don Lamond.
Second Row—Lawrence Friesen, Herb Labovitch, Isaac Fast, Earl Bringelson, George Bondar, Alvin Hoffman, Ken Cockbull, Jim Dean, Jack Morrison, Don Harris, Howard Leowen.
First Row—Joyce Findlay, Eleanor Sutherland, Elizabeth Whetton, Kay Oakes, Elsie Barr, Lois Hokanson, Gwen Ballantyne, Lillian Diakow, Thora Stefansson, Joyce Goodman, Avis Olson, Jean McFarlane.



FIRST YEAR SCIENCE

Back Row—Lorne Campbell, K. Oswald, John Cash, R. L. Butler, A. W. Morris, Larry Stephen, D. M. Murray, G. H. Stebbing, R. C. Hayman, Stuart Cook, James Currie, Maurice Chornoboy, George Macauley, Archie Lee.
 Fifth Row—Ed Collins, Jack Wilkie, Henry Sugiyama, Frank Fathers, Ralph Cook, Dennis Foot, Arthur Cockshott, Lelfur Fridfinsson, Bruce Friesen, George Proctor, Jack Moscovitch, James Callan, Ted Howe, Ted Allden, Freddy Bergman.
 Fourth Row—Alf Harrison, Gray Hamm, Roland Soper, Stanley John Bobowski, Jack King, Jack Rankin, Morag Macdonald, Dick Tuxworth, Jerry Litman, Ted Zwirkoski, Jack Cooper, A. M. "Cut" Chutorian, Murray Tanasichuk, Maurice Rubeniuk, Ted Crabtree.
 Third Row—Bob Wilcox, Herb Rosove, Harold Freishman, Harvey Levi, Leonard Klingsbell, Bob Antonsen, Warren Brownstone, Bob Hiscox, Noel Pritchard, Lorne Wolch, Fred Bogoch.
 Second Row—Arnold Winter, Molly Schultz, Betty Fidler, Cynthia Bookbinder, Helen Charenko, Anne Janz, Gladys Salisbury, Margaret Harrison, Libby Bookhalter, Enid Morris, Brian Thorsteinson.
 First Row—Edmond Forbes, Bob Hunter, Harley Gorrell, Don Dingle, Bob Reeves, J. Vodrey, Al Walsman, Al Slemmon, J. Verner, Bill Kennedy.



1. Chemistry lecture.
2. Low man on a totem pole.
3. Who stole that dogfish?
4. But Doc, only 20% out!
5. Caught in the act.
6. Down in the dumps.
7. El Snappo Bubble Gum.
8. Another C—
9. No men allowed.

10. Lunch at the Broadway-Astoria.
11. Extra! Liquor ration lifted.
12. Only 8 to a locker, fellas.
13. Woodsman, spare that ax.
14. At the Drama Festival.
15. The fine points of the art.
16. Grin and bear it.
17. Crowded conditions.
18. To be or not to be.

19. Science in action.
20. Get your tickets here.
21. Stood up.
22. Beauty and the beast.
23. —fraternity house.
24. Maestro gives out.
25. Science Shambles.
26. Light up and listen.



1. Queen bee and the drones.
2. Big game hunter.
3. "Moose" meets moose.
4. We didn't win.
5. Eager beavers.
6. "September Morn"—courtesy A. Klein.

7. "Oh, Demonstrator!"
8. Two little maids from school.
9. !!!!!
10. Fore!
11. Hubba, hubba, hubba.
12. The beauties of Chemistry.
13. Graduate school of barbering.

14. "Sic 'em, Fido!"
15. Men's common room.
16. "Who stole my Esquire?"
17. The winnah!
18. Music hath charms . . .
19. "Abe Lincoln" Robertson.
20. Bus? Or liquor line-up?



1



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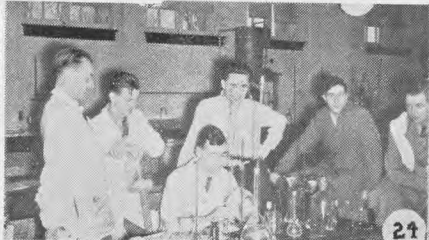
21



22



23



24

1. Queer duck.
2. Hello, Gypsy Rose, Lynn speaking . . .
3. Monday p.m., Mapping lab.
4. What's cooking, Doc?
5. The botany expert.
6. Now I'll tell one . . .
7. Zoology proteges.
8. Initiative personified.
9. Science grad, 1902 . . .
10. Looking for something, Bill?
11. "Now, the Vascular boondle . . ."
12. "Aw, baloney!"
13. Library annex, Temporary Junior Division.
14. Cigarette?
15. Kibitzers.
16. Skipping lectures.
17. The pr . . . is on the wrong side.
18. "Operator, gimme my nickel back!"
19. Our boys.
20. Eyes, left!
21. Charge, McHattie!!
22. Extra curricular activity.
23. Oh, Mac, this is so sudden.
24. Little Jumbo Chemistry Set.



- | | | |
|-------------------------------------|-----------------------------|---|
| 1. Science's loveliest. | 8. It's in the bag. | 15. Baldwin and Lillington in action. |
| 2. Oh yeah! | 9. Clark lays down the law. | 16. Now technological inexactitudes . . . |
| 3. Are we interrupting? | 10. Microbe hunters. | 17. Scientific Workers Cultural Society. |
| 4. Informal attire. | 11. Going my way? | 18. Sitting down on the job. |
| 5. Spring fever | 12. "Whatcha see, Doc?" | 19. Hobo. |
| 6. Rogue's gallery. | 13. "Sunbathing and Health" | |
| 7. "Sorry, 'Forever Amber' is out!" | 14. Fort Garry Campus. | |

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